

eXtreme® 6+ CAT 6 110-Style Patch Panels

APPLICATION

Leviton's eXtreme 6+ CAT 6 110-Style patch panels are designed for use on 19" standard racks and cabinets. The patch panels include Leviton's patented Retention Force Technology which promotes consistent performance over the life of the system. Installer friendly design allows for quick installation due to standard 110 terminations on the rear of the panel which follows the normal installation color sequence (blue, orange, green, brown) from left to right. Leviton's eXtreme 6+ system is designed for use in high megabit applications such as Gigabit Ethernet.

SPECIFICATION

The patch panel shall meet or exceed the requirements for Category 6 described in TIA-568-C.2 as well as the Class E requirements described in ISO/IEC 11801-B. The panels shall feature both T568A and T568B wiring configurations, white IDC 110-punchdown modules, mounting standoffs for cable management bars, color-coded front window labeling, and a termination standoff for patch panel earthing/grounding. The panels shall have universal T568A and T568B wiring card for terminations. The panels shall be made of 16 gauge steel, and shall have a black painted finish with white silk-screening. The plastic elements shall be fire-retardant with a UL flammability rating of 94V-0. The panel shall be offered in 12-, 24-, 48-, 96-port configurations as well as an 89D 12-port configuration. The patch panel shall be configured with six port modules. The 110 termination on the rear of the panel shall follow normal installation color sequence (blue, orange, green, brown) from left to right.

FEATURES

- Patented Retention Force Technology protects tines from damage from 4- or 6-pin plugs
- Craft-friendly installation
- T568A and T568B wiring cards for 110-style IDC terminations
- Color-coded front labeling for easy port identification (TIA-606-A compliant)
- Grounding standoff for optional earthing/grounding
- Terminates 26-22 AWG solid conductors
- Capable of multiple reterminations



69586-U12



69586-U48



69586-U89

DESIGN CONSIDERATIONS

- Color coded front window labeling for easy port identification
- Mounts on 19" equipment racks
- Panel offered in 12-, 24-, 48-, 96-Port configurations and 12-port U89 Block for wall mount applications
- Connector modules are in groups of six
- Includes rear cable management bars
- Centralized labeling (available on 48 port), promotes greater visibility of labels when patch cords are routed into horizontal cable management above and below the patch panel

STANDARDS COMPLIANCE

eXtreme 6+ system components meet or exceed the requirements for channel and component-level performance for TIA Category 6, cULus Listed, NOM and ACA.

PHYSICAL SPECIFICATIONS

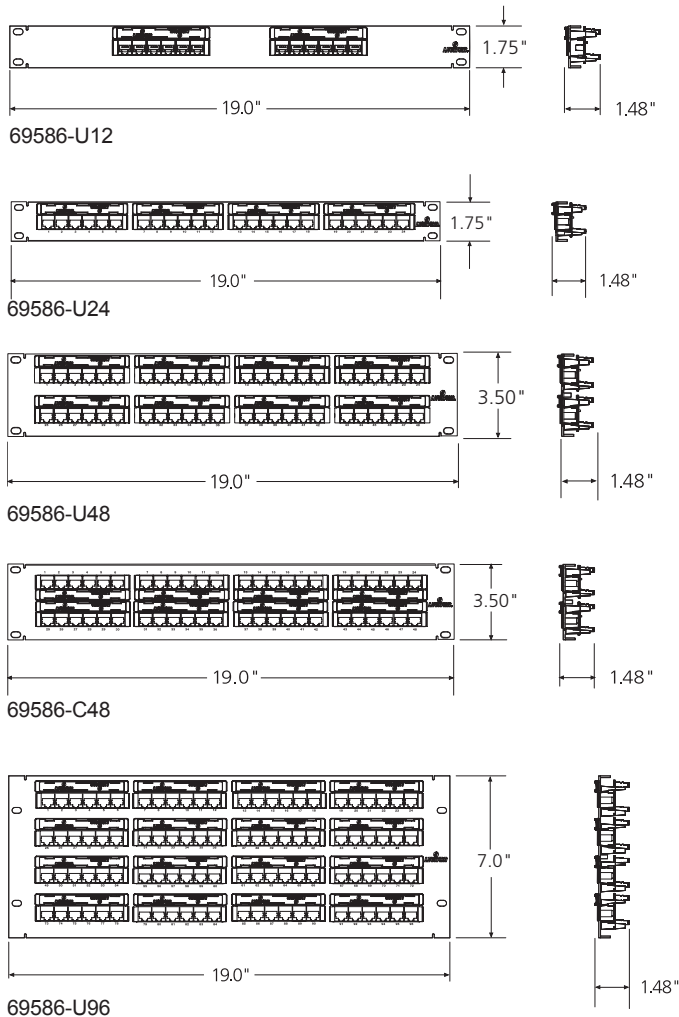
Dimensions:	See second page
Capacity:	12-, 24-, 48-, 96-port, U-89 Universal 12-port block
Materials:	16-gauge steel, painted black; PCB and plastic components are rated per UL 94V-0

WARRANTY INFORMATION

All components in a structured cabling system, including connectors, patch panels, patch cords, and cable are warranted by a single manufacturer. For a copy of Leviton product warranties, visit www.leviton.com.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



TIA-568-C.2 CAT 6 Parameter

Connecting Hardware Requirements*

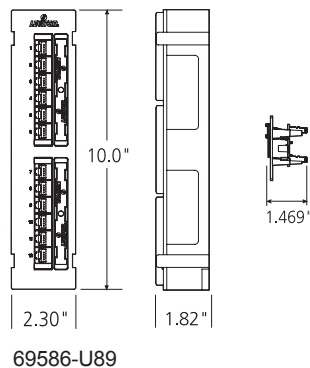
	@ 100MHz	@ 250MHz
Insertion Loss (IL)	0.20	0.32
Near-end Crosstalk (NEXT)	54.0	46.0
Far-end Crosstalk (FEXT)	43.1	35.1
Return Loss (RL)	24.0	16.0
Transverse Conversion Loss (TCL)	28.0	20.0
Transverse Conversion Transfer Loss (TCTL)	28.0	20.0

*All requirements are minimum allowable except IL requirements are maximum allowable. Connecting hardware shall meet requirements of all parameters from 1-250 MHz. Values in above table are only at specific frequencies and are for references only.

PART NUMBERS

Description	Part No.
eXtreme 6+ 12-Port Patch Panel	69586-U12
eXtreme 6+ 24-Port Patch Panel	69586-U24
eXtreme 6+ 48-Port Patch Panel	69586-U48
eXtreme 6+ 48-Port Patch Panel	69586-C48
eXtreme 6+ 96-Port Patch Panel	69586-U96
eXtreme 6+ 12-Port Patch Block	69586-U89

69586-Uxx 69586-C48



69586-U89



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